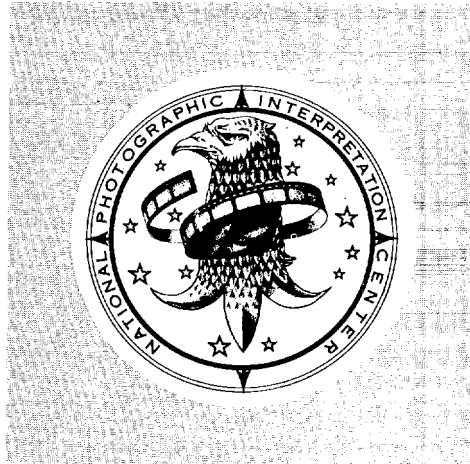


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NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER

OAK
SUPPLEMENT

PHOTOGRAPHIC INTERPRETATION REPORT

KH-4 MISSION 1115

IPIR NUMBER 3

OAK SUPPLEMENT PART I

11-29 SEPTEMBER 1971

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Talent-Keyhole
Channels Only**

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TCS-20447/71

OCTOBER 1971

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WARNING

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**TARGET CATEGORIES
AND
ASSOCIATED NTP FUNCTIONAL AREAS (CODES)**

- | | |
|--|---|
| 1. STRATEGIC SSM | 7. GROUND |
| Deployed Strategic SSM Facilities (A) | Ground Force Facilities (G) |
| 2. MISSILE RANGES | 8. TACTICAL SSM |
| Missile Ranges: Strategic SSM/Space Facilities (P) | Deployed Tactical SSM Facilities (H) |
| Missile Ranges: Air-Launched Missile Facilities (Q) | 9. LOGISTICS |
| Missile Ranges: Naval-Launched Missile Facilities (R) | Military Logistics Facilities (K) |
| Missile Ranges: Tactical SSM Facilities (S) | 10. NUCLEAR ENERGY |
| Missile Ranges: SAM/AMM Facilities (T) | Atomic Energy Facilities (O) |
| 3. AIR DEFENSE MISSILES | 11. CBR |
| Deployed AMM Facilities (B) | CBR Facilities (V) |
| Deployed SAM Facilities (D) | 12. INDUSTRY |
| 4. ELECTRONICS/COMMUNICATIONS | Strategic Weapons Industrial Facilities (J) |
| Deployed Communication/Electronic/Radar Facilities (C) | General Purpose Weapons Industrial Facilities (L) |
| 5. AIR | Non-Military Industrial Facilities (N) |
| Air Base Facilities (E) | Communication/Electronic/Radar R&D Facilities (U) |
| 6. NAVAL | 13. MISCELLANEOUS |
| Naval Base Facilities (F) | Non-Military Logistics Facilities (M) |
| | Miscellaneous/Unidentified Facilities (Z) |

These thirteen target categories are compatible with the Functional Area of Imagery Interpretation established under the National Tasking Plan. To enhance the analysis of readout on operationally associated targets, each target is reported relative to its primary functional association (i.e., missile range tracking facilities are reported under "MISSILE RANGES," fly-away airfields at aircraft plants are reported under "INDUSTRY," airfield nuclear weapons storage facilities are reported under "AIR," etc.).

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PREFACE

PREFACE

THIS IS THE FIRST OF SEVERAL OAK SUPPLEMENT REPORTS ON MISSION 1115 AND PROVIDES INFORMATION ON THE C PRIORITY COMIREX TARGETS OBSERVED ON PHOTOGRAPHY.

ALL SIGNIFICANT ACTIVITY AT ICBM AND MR/IRBM COMPLEXES AND AT MISSILE TEST CENTERS IS REPORTED UNDER THE COMPLEX/TEST CENTER NAME. COMPONENTS OF THE COMPLEX AND TEST CENTER AND THOSE TARGETS REQUIRING EXTENT AND QUALITY OF COVERAGE ONLY WILL NOT BE PUBLISHED BUT WILL BE ENTERED INTO THE NPIC TARGET BRIEF FILE. THOSE ORGANIZATIONS REQUIRING A TOTAL ACCOUNTING OF ALL DATA WILL BE PROVIDED A MACHINE PRINTOUT OR MAGNETIC TAPE AS DESIRED. REQUEST FOR THESE SHOULD BE SUBMITTED WITHIN TWO MONTHS FROM THE DATE OF THE FINAL REPORT ON THIS MISSION TO NPIC, CHIEF, REQUIREMENTS AND ANALYSIS DIVISION. FOR ADDITIONAL PREFACE DETAILS, SEE OAK PART I, 1115-1.

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HIGHLIGHTS

MISSION HIGHLIGHTS

USSR

NUCLEAR ACTIVITY

1. ACTIVITY WAS OBSERVED THROUGHOUT THE SEMIPALATINSK
NWPG SHAGAN RIVER TEST AREA. A NEW DRILLING LOCATION, LOCATION
39, HAS BEEN IDENTIFIED.

USSR-CHINA BORDER

GROUND FORCE ACTIVITY

2. THE AAA REGIMENT PREVIOUSLY OBSERVED AT CHITA ARMY
BARRACKS NORTH AL 2, USSR, WAS NO LONGER PRESENT ON 22
SEPTEMBER.

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CHINA, COMMUNIST
GROUND FORCE FACILITIES

OTHER RESULTS-NO APPARENT CHANGE

25X1D

25X1D

25X1D KO-SHIH MILITARY AREA NW
[REDACTED] NAC [REDACTED] 39-31 [REDACTED] N 075-57 [REDACTED] E
STATUS:UNKNOWN 25X1D 25X1A 25X1A

25X1D GROUND FORCE ORDER OF BATTLE:
[REDACTED]
NONE DISCERNIBLE

25X1D [REDACTED]

25X1D

25X1D

25X1D SU-LO ARMY BARRACKS AL 2
[REDACTED] NAC [REDACTED] 39-23 [REDACTED] N 076-06 [REDACTED] E
STATUS:UNKNOWN 25X1D 25X1A

25X1D GROUND FORCE ORDER OF BATTLE:
[REDACTED]
NONE DISCERNIBLE

25X1D [REDACTED]

25X1D

25X1D

25X1D SU-LO ARMY BKS AL 1
[REDACTED] NAC [REDACTED] 39-24 [REDACTED] N 076-03 [REDACTED] E
STATUS:UNKNOWN 25X1D 25X1A 25X1A

25X1D GROUND FORCE ORDER OF BATTLE:
[REDACTED]
NONE DISCERNIBLE

25X1D [REDACTED]

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25X1D

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25X1C

INDIA
GROUND FORCE FACILITIES

SIGNIFICANT RESULTS

25X1D

25X1D

25X1D AKHNUR BARRACKS AREA SW

25X1A

32-50- N 074-37 E

STATUS:OCCUPIED

REMARKS:

25X1D APPROXIMATELY 100 BUILDINGS HAVE BEEN CONSTRUCTED SINCE 25X1D

25X1D GROUND FORCE ORDER OF BATTLE:

125 VEHICLES/PIECES OF
EQUIP (APPROX)

25X1D

25X1D

25X1D

25X1D AKHNUR BORDER SUPPORT BASE

25X1A

32-51 N 074-24 E

STATUS:OCCUPIED

PHYSICAL DESCRIPTION:

17 NM WEST OF AKHNUR AND 2.3 NM EAST OF THE INDIA/PAKISTAN
BORDER.

THE NEWLY IDENTIFIED INSTALLATION CONSISTS OF APPROXIMATELY 55
BUILDINGS AND 70 TENTS. SEVERAL TRAILS EXTEND FROM THE
INSTALLATION TO STRONGPOINTS ALONG THE INDIA/PAKISTAN BORDER.
THE STRONGPOINTS ARE SPACED EVENLY ALONG THE BORDER AT
APPROXIMATELY 3,000-METER (9,843-FOOT) INTERVALS.

25X1D GROUND FORCE ORDER OF BATTLE:

20 VEHICLES/PIECES OF EQUIP
(APPROX)

25X1D IMAGE DERIVED COORDINATES:

25X1D 3251 N 07424 E

MAP SOURCE REFERENCE:

AMS. JOG,NI43-14,1:250,000

25X1D

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25X1C

INDIA
GROUND FORCE FACILITIES

25X1D

25X1D

AKHNUR BRIGADE HEADQUARTERS

25X1D

25X1A

32-54 N 074-44 E

STATUS:OCCUPIED

REMARKS:

25X1D

APPROXIMATELY 35 BUILDINGS HAVE BEEN CONSTRUCTED IN THE AREA SINCE [REDACTED] MANY OF THE TENTS HAVE BEEN REPLACED WITH MUCH LARGER TENTS. THE EXPLOSIVES STORAGE AREA HAS BEEN RAZED, RECONSTRUCTED, AND EXPANDED. IT IS NOW TARGETED SEPARATELY AS AKHNUR AMMUNITION STORAGE AREA [REDACTED]

25X1A

25X1A

GROUND FORCE ORDER OF BATTLE:

25X1D

70 PROB VEHICLES/PIECES OF EQUIP (APPROX)

25X1D

25X1D

25X1D

AKHNUR MILITARY CAMP WEST

25X1D

25X1A

32-50 N 074-28 E

STATUS:OCCUPIED

PHYSICAL DESCRIPTION:

14 NM WEST OF AKHNUR AND 3.6 NM NORTH OF THE INDIA/PAKISTAN BORDER.

THE NEWLY IDENTIFIED INSTALLATION CONSISTS OF APPROXIMATELY TEN BUILDINGS AND 30 TENTS.

GROUND FORCE ORDER OF BATTLE:

25X1D

10 VEHICLES/PIECES OF EQUIP (APPROX)

25X1D

IMAGE DERIVED COORDINATES:

25X1D

3250 N 07428 E

MAP SOURCE REFERENCE:

AMS. JOG, NI43-6, 1:250,000

25X1D

HANDLE VIA
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25X1C

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INDIA
GROUND FORCE FACILITIES

25X1D

25X1D

25X1D

BANDIPURA MILITARY CAMP

25X1A

34-25 N 074-38 E

STATUS:OCCUPIED

PHYSICAL DESCRIPTION:
ON THE EASTERN EDGE OF BANDIPURA.
THE NEWLY IDENTIFIED INSTALLATION CONSISTS OF APPROXIMATELY 65
BUILDINGS, 30 TENTS, AND AN ATHLETIC FIELD.

25X1D

GROUND FORCE ORDER OF BATTLE:

30 PROB VEHICLES/PIECES OF
EQUIP (APPROX)

25X1D

IMAGE DERIVED COORDINATES:

25X1D

3425 N 07438 E

MAP SOURCE REFERENCE:
AMS, JOG,NI43-6,1:250,000

25X1D

25X1D

25X1D

25X1D

BARAMULA SUPPORT BASE #1

25X1A

34-08 N 074-11 E

STATUS:OCCUPIED

PHYSICAL DESCRIPTION:
8.5 NM SW OF BARAMULA, ON THE SOUTH BANK OF THE JHELMUM RIVER.
THE NEWLY IDENTIFIED INSTALLATION CONSISTS OF APPROXIMATELY 80
BUILDINGS AND 15 TENTS. THE FACILITY IS A REAR SUPPORT BASE
FOR THE FORWARD BORDERPOSTS.

25X1D

GROUND FORCE ORDER OF BATTLE:

NONE DISCERNIBLE

25X1D

IMAGE DERIVED COORDINATES:

25X1D

3408 N 07411 E

MAP SOURCE REFERENCE:
AMS, JOG,NI43-6,1:250,000

HANDLE VIA
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25X1C

INDIA
GROUND FORCE FACILITIES

25X1D

25X1D

25X1D

BARAMULA SUPPORT BASE #2

25X1D

25X1A

34-08- N 074-09- E

STATUS: OCCUPIED

PHYSICAL DESCRIPTION:

9.5 NM SW OF BARAMULA, ON THE SOUTH BANK OF THE JHELM RIVER.
THE NEWLY IDENTIFIED INSTALLATION CONSISTS OF APPROXIMATELY 70
BUILDINGS AND SUPPORTS THE FORWARD BORDER OUTPOSTS.

25X1D

GROUND FORCE ORDER OF BATTLE:

NONE DISCERNIBLE

25X1D

IMAGE DERIVED COORDINATES:

25X1D

3408- N 07409- E

MAP SOURCE REFERENCE:

AMS. JOG, NI43-6, 1:250,000

25X1D

25X1D

25X1D

JAMMU ARMY BARRACKS NW

25X1D

25X1A

32-47- N 074-49- E

STATUS: UNDER CONSTRUCTION

PHYSICAL DESCRIPTION:

3.6 NM NW OF JAMMU.

THE NEWLY IDENTIFIED INSTALLATION CONSISTS OF 13 BARRACKS, 18
PROBABLE BARRACKS UNDER CONSTRUCTION, 34 OTHER BUILDINGS (AT
LEAST TEN UNDER CONSTRUCTION), AND 30 TENTS. A STREET PATTERN
WAS EVIDENT THROUGHOUT THE AREA WITH GROUND SCARRING ALONG THE
STREETS INDICATING CONSTRUCTION.

NO INSTALLATION WAS OBSERVED ON THE
LAST COVERAGE OF THE AREA. AT THAT TIME, APPROXIMATELY 20
TENTS WERE OBSERVED.

25X1D

25X1D

GROUND FORCE ORDER OF BATTLE:

NONE DISCERNIBLE

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25X1C

INDIA
GROUND FORCE FACILITIES

25X1D
25X1D
IMAGE DERIVED COORDINATES:
3247 [REDACTED] N 07449 [REDACTED] E

MAP SOURCE REFERENCE:
AMS. JOG, NI43-14, 1:250,000

25X1D

25X1D

25X1D

JAMMU BARRACKS A AMMO STORAGE

25X1D

25X1A

32-48 [REDACTED] N 074-55 [REDACTED] E

STATUS: OCCUPIED

REMARKS:

25X1D

THE INSTALLATION HAS BEEN EXPANDED CONSIDERABLY SINCE LAST OBSERVED IN [REDACTED] THE BARRACKS AREA HAS 85 ADDITIONAL BUILDINGS, AND THE AMMUNITION STORAGE AREA HAS 91 ADDITIONAL STORAGE BUILDINGS WITH 11 MORE UNDER CONSTRUCTION.

GROUND FORCE ORDER OF BATTLE:

25X1D

150 VEHICLES/PIECES OF
EQUIP (APPROX)

25X1D

25X1D

25X1D

JAMMU DIVISION HQS

25X1D

25X1A

32-45 [REDACTED] N 074-52 [REDACTED] E

STATUS: OCCUPIED

REMARKS:

THE INSTALLATION HAS BEEN EXPANDED SINCE [REDACTED] APPROXIMATELY 40 BUILDINGS HAVE BEEN CONSTRUCTED WITH 11 OF THEM PROBABLY VEHICLE SHEDS.

25X1D

GROUND FORCE ORDER OF BATTLE:

25X1D

45 VEHICLES/PIECES OF EQUIP
(APPROX)

25X1D

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25X1C

INDIA
GROUND FORCE FACILITIES

25X1D

25X1D

JAMMU MILITARY CAMP NW

25X1D

25X1A

32-44 N 074-49 E

STATUS:OCCUPIED

REMARKS:

25X1D

APPROXIMATELY 80 BUILDINGS HAVE BEEN CONSTRUCTED AT THE
INSTALLATION SINCE [REDACTED] SEVEN ADDITIONAL
BUILDINGS WERE UNDER CONSTRUCTION, AND THE NUMBER OF TENTS HAS
BEEN REDUCED TO APPROXIMATELY 85.

25X1D

GROUND FORCE ORDER OF BATTLE:

25 VEHICLES/PIECES OF EQUIP
(APPROX)

25X1D

25X1D

25X1D

KANPUR BARRACKS AREA WEST

25X1D

25X1A

26-28 N 080-15 E

STATUS:UNKNOWN

PHYSICAL DESCRIPTION:

ON THE WEST EDGE OF KANPUR.
THE NEWLY IDENTIFIED INSTALLATION CONTAINS APPROXIMATELY 400
BUILDINGS, ONE TRAINING FIELD, AND ONE ATHLETIC FIELD.

25X1D

IMAGE DERIVED COORDINATES:

25X1D

2628 N 08015 E

MAP SOURCE REFERENCE:

AMS. JOG,N644-6,1:250,000

25X1D

25X1D

25X1D

KANPUR MILITARY BARRACKS NW

25X1D

25X1A

26-30 N 080-14 E

STATUS:UNKNOWN

PHYSICAL DESCRIPTION:

6 NM NW OF KANPUR AND IMMEDIATELY SOUTH OF KANPUR AIRFIELD NW

25X1A

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25X1C

INDIA
GROUND FORCE FACILITIES

THE NEWLY IDENTIFIED INSTALLATION CONTAINS APPROXIMATELY 300
BUILDINGS AND ONE TRAINING/ATHLETIC FIELD.

25X1D IMAGE DERIVED COORDINATES:

25X1D 2630 N 08014 E

MAP SOURCE REFERENCE:
AMS. JOG, NG44-6, 1:250,000

25X1D

25X1D

25X1D

25X1D KHUNAMUH MILITARY AREA SE

25X1A

34-01 N 074-59 E

STATUS: OCCUPIED

PHYSICAL DESCRIPTION:

2.9 NM SE OF KHUNAMUH AND 9.5 NM ESE OF SRINAGAR.
THE NEWLY IDENTIFIED FACILITY CONTAINS APPROXIMATELY TEN LARGE
BARRACKS, 32 QUARTERS, 22 LARGE PROBABLE STORAGE BUILDINGS, TWO
ADMINISTRATION-TYPE BUILDINGS, AND 16 TENTS.

25X1D GROUND FORCE ORDER OF BATTLE:

16 PROB VEHICLES/PIECES OF
EQUIP (APPROX)

25X1D IMAGE DERIVED COORDINATES:

25X1D 3401 N 07459 E

MAP SOURCE REFERENCE:
AMS. JOG(R), NI43-6, 1:250,000

25X1D

25X1D

25X1D

25X1D LUDHIANA AMMO STOR AREA DHAN DARI

25X1A

30-52 N 075-53 E

STATUS: OCCUPIED

REMARKS:

THE AMMUNITION STORAGE BUILDINGS HAVE BEEN RAZED, AND THE AREA
HAS BEEN CONVERTED TO A TENT CAMP CONSISTING OF APPROXIMATELY
12 BUILDINGS AND 125 TENTS. A NEW AMMUNITION STORAGE AREA IS
6.5 NM WEST.

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25X1C

INDIA
GROUND FORCE FACILITIES

25X1D GROUND FORCE ORDER OF BATTLE:
[REDACTED]
50 VEHICLES/PIECES OF EQUIP
(APPROX)

25X1D

[REDACTED]

25X1D

25X1D

25X1D LUDHIANA AMMO STORAGE AREA

30-52 [REDACTED] N 075-45 [REDACTED] E

25X1A

STATUS: UNKNOWN

PHYSICAL DESCRIPTION:

5 NM SW OF LUDHIANA.

THE NEWLY IDENTIFIED INSTALLATION CONSISTS OF 38 STORAGE BUILDINGS/BUNKERS, 24 STORAGE/SUPPORT BUILDINGS, 35 SUPPORT BUILDINGS, AND 11 GUARDBOUSES.

NO INSTALLATION WAS OBSERVED ON [REDACTED]

25X1D

25X1D GROUND FORCE ORDER OF BATTLE:

[REDACTED]
NONE DISCERNIBLE

25X1D IMAGE DERIVED COORDINATES:

25X1D 3052 [REDACTED] N 07545 [REDACTED] E

MAP SOURCE REFERENCE:

AMS. JOG, NH43-7, 1:250,000

25X1D

[REDACTED]

25X1D

25X1D

25X1D PATTI EXPLOSIVES STORAGE AREA

31-16 [REDACTED] N 074-51 [REDACTED] E

25X1A

STATUS: UNDER CONSTRUCTION

PHYSICAL DESCRIPTION:

ON THE SOUTH SIDE OF PATTI.

THE NEWLY IDENTIFIED INSTALLATION CONTAINS SIX REVETTED EXPLOSIVES STORAGE BUILDINGS, THREE LARGE STORAGE BUILDINGS, FOUR SUPPORT BUILDINGS, AND THREE PROBABLE TENTS. A ROAD HAS BEEN BUILT NORTH OF THE REVETMENTS, AND AT LEAST FOUR ADDITIONAL BUILDINGS WERE UNDER CONSTRUCTION.

THIS INSTALLATION IS NEW SINCE [REDACTED]

25X1D

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INDIA
GROUND FORCE FACILITIES

25X1D IMAGE DERIVED COORDINATES:
25X1D 3116 N07451 E

MAP SOURCE REFERENCE:
AMS. JOG,NH43-2,1:250,000

25X1D

25X1D

25X1D

25X1D SANGRUR MILITARY BARRACKS AREA

25X1A

30-14 N 075-51 E

STATUS:OCCUPIED

PHYSICAL DESCRIPTION:
ON THE EAST SIDE OF SANGRUR.
THE NEWLY IDENTIFIED INSTALLATION CONTAINS APPROXIMATELY 95
BUILDINGS, 29 NISSEN HUTS, AN ATHLETIC FIELD, AND A POSSIBLE
PISTOL RANGE. A POSSIBLY RELATED AREA CONTAINING TWO LOOP
ROADS WITH 17 SMALL BUILDINGS IS 700 METERS (2,297 FEET) NORTH
OF THE FACILITY.

25X1D GROUND FORCE ORDER OF BATTLE:

29 VEHICLES/PIECES OF EQUIP

25X1D IMAGE DERIVED COORDINATES:

25X1D 3014 N07551 E

MAP SOURCE REFERENCE:
AMS. JOG,NH43-7,1:250,000

25X1D

25X1D

25X1D

SRINAGAR BARRACKS AREA EAST

25X1D

25X1A

34-04 N 074-51 E

STATUS:OCCUPIED

PHYSICAL DESCRIPTION:
ON THE SE EDGE OF SRINAGAR.
THE NEWLY IDENTIFIED INSTALLATION CONTAINS APPROXIMATELY 75
LARGE STORAGE BUILDINGS, 70 BARRACKS, 35 FAMILY HOUSING UNITS,
15 ADMINISTRATION-TYPE BUILDINGS, 350 SUPPORT BUILDINGS, 85
TENTS, FOUR MOTOR POOLS, AND TWO RIFLE RANGES.

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25X1C

INDIA
GROUND FORCE FACILITIES

25X1D GROUND FORCE ORDER OF BATTLE:
56 PROB VEHICLES/PIECES OF
EQUIP

25X1D IMAGE DERIVED COORDINATES:
25X1D 3404 N 07451 E
MAP SOURCE REFERENCE:
AMS. JOG, NI43-6, 1:250,000

25X1D

THID MILITARY STORAGE AREA

25X1D

25X1D

25X1D

35-05 N 074-52 E

25X1A

STATUS: UNKNOWN

PHYSICAL DESCRIPTION:
1,080 METERS (0.6 NM) SW OF THID AND 3.4 NM EAST OF SRINAGAR.
THE NEWLY IDENTIFIED FACILITY CONTAINS ONE ADMINISTRATION-TYPE
BUILDING, THREE BARRACKS, 32 STORAGE BUILDINGS, AND 14 SUPPORT
BUILDINGS.

25X1D GROUND FORCE ORDER OF BATTLE:
NONE DISCERNIBLE

25X1D IMAGE DERIVED COORDINATES:
25X1D 3505 N 07452 E

MAP SOURCE REFERENCE:
AMS. JOG(R), NI43-6, 1:250,000

25X1D

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25X1C

INDIA
LOGISTICS

SIGNIFICANT RESULTS

25X1D

25X1D

25X1D

KHUNAMUH MILITARY STORAGE AREA

25X1A

34-03- [REDACTED] N 074-55- [REDACTED] E

STATUS: OCCUPIED

PHYSICAL DESCRIPTION:

1,620 METERS (0.9 NM) SW OF KHUNAMUH AND 6.3 NM ESE OF
SRINAGAR.

THE NEWLY IDENTIFIED FACILITY CONTAINS APPROXIMATELY 60
BUILDINGS, 15 TENTS, AND LARGE OPEN STORAGE AREAS. GROUND
SCARRING INDICATES THE AREA MAY BE EXPANDED.

25X1D

GROUND FORCE ORDER OF BATTLE:

35 PROB VEHICLES/PIECES OF
EQUIP (APPROX)

25X1D

IMAGE DERIVED COORDINATES:

25X1D

3403 [REDACTED] N 07455 [REDACTED] E

MAP SOURCE REFERENCE:

AMS. JOG(R), NI43-6, 1:250,000

25X1D

[REDACTED]

HANDLE VIA
TALENT-KEYHOLE
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CONTROL SYSTEM ONLY

TCS-20447/71 - IPIR 3
KH-4 MISSION 1115

25X1C

PAKISTAN
AIR BASE FACILITIES

SIGNIFICANT RESULTS

25X1D

25X1D

25X1D

RAHWALI AIRFIELD

25X1A

32-14

N 074-07- E

STATUS: UNKNOWN

PHYSICAL DESCRIPTION:

5.5 NM NNW OF GUJRANWALA.

THIS IS AN UPDATED DESCRIPTION. THE AIRFIELD CONSISTS OF A
1,926- X 46-METER (6,317- X 151-FOOT) NE/SW SERVICEABLE
CONCRETE RUNWAY, A LOOP TAXIWAY, A CIRCULAR DISPERSAL TAXIWAY,
32 UNREVIEWED HARDSTANDS, 25 BUILDINGS (EIGHT CONSTRUCTED SINCE
AND A WATER TOWER (CONSTRUCTED SINCE

25X1D

25X1D

25X1D

AIR ORDER OF BATTLE:

NONE DISCERNIBLE

25X1D

HANDLE VIA
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TOP SECRET RUFF
CONTROL SYSTEM ONLY

TCS-20447/71 - IPIR 3
KH-4 MISSION 1115

25X1C

PAKISTAN
GROUND FORCE FACILITIES

SIGNIFICANT RESULTS

25X1D GUJRANWALA CANTONMENT AREA 25X1D
-25X1D [REDACTED] 25X1A 32-15 [REDACTED] N 074-07 [REDACTED] E
STATUS: UNDER CONSTRUCTION
PHYSICAL DESCRIPTION:
25X1A 6 NM NNW OF GUJRANWALA AND IMMEDIATELY NORTH OF RAHWALI
AIRFIELD [REDACTED]
THE NEWLY IDENTIFIED INSTALLATION CONSISTS OF 172
BARRACKS/QUARTERS (THREE UNDER CONSTRUCTION), SIX
ADMINISTRATION-TYPE BUILDINGS (FOUR UNDER CONSTRUCTION), NINE
RETTED EXPLOSIVES STORAGE BUILDINGS (IN GROUPS OF THREE), SIX
EXPLOSIVES STORAGE BUILDINGS UNDER CONSTRUCTION, 90
STORAGE/SUPPORT BUILDINGS (TWO UNDER CONSTRUCTION), TWO WATER
TOWERS, AND A FIRING RANGE UNDER CONSTRUCTION. EXISTING STREET
PATTERNS AND GROUND SCARRING INDICATE ADDITIONAL CONSTRUCTION.
THIS INSTALLATION WAS NOT PRESENT ON [REDACTED] 25X1D
25X1D GROUND FORCE ORDER OF BATTLE:
[REDACTED]
NONE DISCERNIBLE
25X1D IMAGE DERIVED COORDINATES:
25X1D 3215 [REDACTED] N 07407 [REDACTED] E
MAP SOURCE REFERENCE:
AMS. JOG, NI43-14, 1:250,000
25X1D [REDACTED] 25X1D 25X1D
25X1D HAJIRA MILITARY AREA 25X1A 33-46 [REDACTED] N 073-48 [REDACTED] E
STATUS: OCCUPIED
PHYSICAL DESCRIPTION:
2.2 NM NW OF HAJIRA AIRFIELD [REDACTED] 25X1A
THE NEWLY IDENTIFIED AREA CONTAINS APPROXIMATELY 45 BUILDINGS,
AN ATHLETIC FIELD, AND SEVEN TENTS.
25X1D GROUND FORCE ORDER OF BATTLE:
[REDACTED]
24 VEHICLES/PIECES OF EQUIP

HANDLE VIA
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TALENT-KEYHOLE
CONTROL SYSTEM ONLY

TCS-20447/71 - IPIR 3
KH-4 MISSION 1115

25X1C

PAKISTAN
GROUND FORCE FACILITIES

25X1D
25X1D
IMAGE DERIVED COORDINATES:
3346 N 07348 E
MAP SOURCE REFERENCE:
AMS. JOG, NI43-10, 1:250,000

25X1D

25X1D

25X1D

25X1D
SIALKOT WEST MILITARY AREA

25X1A

32-28 N 074-26 E

STATUS: OCCUPIED

25X1A
PHYSICAL DESCRIPTION:
7 NM SW OF SIALKOT ARMY BARRACKS AND HEADQUARTERS
THE NEWLY IDENTIFIED INSTALLATION CONSISTS OF AT LEAST 70 BUILDINGS. NO SECURITY WAS DISCERNIBLE DUE TO SCALE OF PHOTOGRAPHY.

25X1D
GROUND FORCE ORDER OF BATTLE:

60 VEHICLES

10 PIECES OF EQUIPMENT

25X1D
25X1D
IMAGE DERIVED COORDINATES:
3228 N 07426 E

MAP SOURCE REFERENCE:
AMS. JOG, NI43-14, 1:250,000

25X1D

25X2 Approved For Release 2000/04/17 : CIA-RDP78T04562A003100010005-9

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HANDLE VIA
TALENT-KEYHOLE
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KH-4 MISSION 1115

25X1C

SOVIET UNION
AIR DEFENSE MISSILES

SIGNIFICANT RESULTS

25X1D

25X1D

AKHTUBINSK SAM SITE A04A-2

25X1D

25X1A

48-23 N 046-15 E

STATUS:UNOCCUPIED

PHYSICAL DESCRIPTION:

25X1A

7.7 NM NNE OF AKHTUBINSK AND 0.3 NM SSW OF AKHTUBINSK SAM SITE
A04-2
THIS NEWLY IDENTIFIED SA-2 SITE IS SIMILAR TO KNOWN DUMMY SA-2
SITES IN THE USSR AND CONSISTS OF SIX REVETTED LAUNCH POSITIONS
AND A REVETTED GUIDANCE AREA.

25X1D

IMAGE DERIVED COORDINATES:

25X1D

4823 N 04615 E

MAP SOURCE REFERENCE:

200-0235-22HL

25X1D

25X1D

25X1D

GORKIY SAM SITE B10A-2

25X1D

25X1A

56-14 N 044-25 E

STATUS:OCCUPIED

PHYSICAL DESCRIPTION:

25X1A

15.3 NM EAST OF GORKIY, AND 5.2 NM ESE OF GORKIY SAM SITE B11-2
THIS NEWLY IDENTIFIED SA-2 SITE CONSISTS OF SIX REVETTED LAUNCH
POSITIONS, A BUNKERED GUIDANCE AREA, TWO REVETTED MISSILE-HOLD
POSITIONS, AND A REVETTED ACQUISITION RADAR POSITION.

25X1D

IMAGE DERIVED COORDINATES:

25X1D

5614 N 04425 E

MAP SOURCE REFERENCE:

200-0155-21HL

25X1D

HANDLE VIA
TALENT-KEYHOLE
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TCS-20447/71 - IPIR 3
KH-4 MISSION 1115

25X1C

SOVIET UNION
AIR DEFENSE MISSILES

25X1D

25X1D

25X1D

GORKIY SAM SITE B10B-2

56-16 N 044-23 E

25X1A

STATUS: UNDER CONSTRUCTION

PHYSICAL DESCRIPTION:

25X1A

13.5 NM EAST OF GORKIY, AND 3.5 NM EAST OF GORKIY SAM SITE
B11-2

THIS NEWLY IDENTIFIED SA-2 SITE CONSISTS OF SIX REVETTED LAUNCH
POSITIONS, A REVETTED GUIDANCE AREA, AND TWO REVETTED
MISSILE-HOLD POSITIONS.

25X1D

IMAGE DERIVED COORDINATES:

25X1D

5616 N 04423 E

MAP SOURCE REFERENCE:
200-0155-21HL

25X1D

25X1D

25X1D

25X1D

KORSAKOV SAM SITE A05-2

46-40 N 142-51 E

25X1A

STATUS: UNDER CONSTRUCTION

PHYSICAL DESCRIPTION:

4.5 NM NE OF KORSAKOV.

THE NEWLY IDENTIFIED SA-2 SITE CONTAINS FIVE REVETTED LAUNCH
POSITIONS. THE SIXTH LAUNCH POSITION AND THE GUIDANCE AREA
WERE BOTH UNDER CONSTRUCTION. THE SITE IS AT AN ABANDONED SA-5
SITE.

25X1D

IMAGE DERIVED COORDINATES:

25X1D

4640 N 14251 E

MAP SOURCE REFERENCE:
200-0281-8

25X1D

HANDLE VIA
TALENT-KEYHOLE
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TCS-20447/71 - IPIR 3
KH-4 MISSION 1115

25X1C

SOVIET UNION
AIR DEFENSE MISSILES

25X1D

25X1D

25X1D

PENZA SAM COMPLEX A26-5

53-10 N 044-53 E

25X1A

STATUS: UNDER CONSTRUCTION

PHYSICAL DESCRIPTION:

5.0 NM WSW OF PENZA.

A NEW SA-5 COMPLEX UNDER CONSTRUCTION CONSISTS OF ONE LAUNCH SITE AND A TRACKING AND GUIDANCE FACILITY IN AN EARLY STAGE OF CONSTRUCTION. THE LAUNCH SITE CONTAINS GRADED ACCESS AND SERVICE ROADS AND SIX GRADED LAUNCH POSITIONS. THE TRACKING AND GUIDANCE FACILITY IS DEFINED BY FOUR TREE CLEARINGS. THE PRIMARY LAUNCH ORIENTATION IS APPROXIMATELY SOUTH. THE COMPLEX WAS NOT OBSERVED ON PHOTOGRAPHY OF [REDACTED] AND 25X1D WAS FIRST SEEN ON THIS MISSION.

25X1D

IMAGE DERIVED COORDINATES:

25X1D

5310 N 04453 E

MAP SOURCE REFERENCE:

200-0166-19HL

25X1D

25X1D

25X1D

25X1D

VOLGOGRAD DUMMY SAM COMPLEX C22-5

48-22 N 044-12 E

25X1A

STATUS: UNDER CONSTRUCTION

PHYSICAL DESCRIPTION:

24.3 NM SW OF VOLGOGRAD AND 3.8 NM WEST OF VOLGOGRAD SAM COMPLEX C21-5.

THIS IS THE FIRST IDENTIFICATION OF A DUMMY SA-5 COMPLEX. ITS ORIENTATION IS SIMILAR TO THAT OF VOLGOGRAD SAM COMPLEX C21-5. A THREE-SITE SA-5 COMPLEX. THE DUMMY COMPLEX HAS A PRIMARY LAUNCH AZIMUTH OF 202 DEGREES, WHILE COMPLEX C21-5 HAS AN AZIMUTH OF 150 DEGREES.

25X1D

HANDLE VIA
TALENT-KEYHOLE
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TCS-20447/71 - IPIR 3
KH-4 MISSION 1115

25X1C

SOVIET UNION
AIR DEFENSE MISSILES

25X1D

25X1D IMAGE DERIVED COORDINATES:
25X1D 4822 N 04412 E

MAP SOURCE REFERENCE:
200-0235-21HL

25X1D

VOLGOGRAD SAM SITE B03A-2

25X1D

25X1D

25X1D

25X1A

48-57 N 044-42 E

STATUS: UNOCCUPIED

PHYSICAL DESCRIPTION:

25X1A

18.5 NM NNE OF VOLGOGRAD AND 1.8 NM SE OF VOLGOGRAD SAM SITE
B03-2
THIS NEWLY IDENTIFIED SA-2 SITE CONSISTS OF SIX REVETTED LAUNCH
POSITIONS, A REVETTED GUIDANCE AREA, THREE DRIVE-THROUGH
MISSILE-HOLD REVETMENTS, AND A DRIVE-IN REVETTED ACQUISITION
RADAR POSITION. THE INNER SERVICE ROAD AND PERIMETER ROAD WERE

HANDLE VIA
TALENT-KEYHOLE
CONTROL SYSTEM ONLY

TCS-20447/71 - IPIR 3
KH-4 MISSION 1115

25X1C

SOVIET UNION
AIR DEFENSE MISSILES

IRREGULARLY CONFIGURED.

25X1D IMAGE DERIVED COORDINATES:
25X1D 4857 N 04442 E

MAP SOURCE REFERENCE:
200-0235-16HL

25X1D

25X1D

25X1D

VOLGOGRAD SAM SITE B09A-2

25X1D

25X1A

48-44 N 044-54 E

STATUS: UNOCCUPIED

PHYSICAL DESCRIPTION:

25X1A

16.5 NM EAST OF VOLGOGRAD AND 2.0 NM NORTH OF VOLGOGRAD SAM
SITE B09-2

THIS NEWLY IDENTIFIED SA-2 SITE APPEARED TO BE UNDER
CONSTRUCTION AND CONSISTED OF SIX REVETTED LAUNCH POSITIONS, A
REVETTED GUIDANCE AREA, A REVETTED ACQUISITION RADAR POSITION,
A PERIMETER ROAD, AND A POORLY CONSTRUCTED INNER SERVICE ROAD
PATTERN.

25X1D IMAGE DERIVED COORDINATES:
25X1D 4844 N 04454 E

MAP SOURCE REFERENCE:
200-0235-22HL

25X1D

HANDLE VIA
~~TOP SECRET RUFF~~ Release 2000/04/17
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TCS-20447/71 - IPIR 3
KH-4 MISSION 1115

25X1C

SOVIET UNION
COMMO/ELEC/RADAR FACILITIES

SIGNIFICANT RESULTS

25X1D

25X1D

BURAN AW FACILITY

25X1D

25X1A

48-01 N 085-22 E

STATUS: OPERATIONAL

PHYSICAL DESCRIPTION:

6.9 NM WEST OF THE SINO-SOVIET BORDER AND 6.6 NM EAST OF BURAN. THE NEWLY IDENTIFIED FACILITY CONSISTS OF ONE PROBABLE BAR LOCK RADAR ON A MOUND, TWO PROBABLE ROCK CAKE OR STONE CAKE RADARS, AND 16 VEHICLES OR PIECES OF EQUIPMENT. ONE SUPPORT BUILDING IS APPROXIMATELY 0.5 NM WEST OF THE FACILITY.

25X1D

ELECTRONIC ORDER OF BATTLE:

- 1 PROB BAR LOCK
- 2 PROB ROCK CAKE OR STONE CAKE

25X1D

ASSOCIATED OBJECTS:

16 VEHICLES/PIECES OF EQUIP

25X1D

IMAGE DERIVED COORDINATES:

25X1D

4801 N 08522 E

MAP SOURCE REFERENCE:
250-1505 NM45-10

25X1D

25X1D

25X1D

PARATUNKA RADCOM RCVR STA

25X1D

25X1A

53-01 N 158-14 E

STATUS: UNDER CONSTRUCTION

PHYSICAL DESCRIPTION:

14.5 NM WEST OF PETROPAVLOVSK. THIS NEWLY IDENTIFIED HF COMMUNICATIONS FACILITY UNDER CONSTRUCTION CONSISTS OF TWO ARCH-ROOFED BUNKERS, WHICH HAVE NOT BEEN EARTH COVERED, AND TEN ANTENNA CLEARINGS. A SMALL SUPPORT AREA 0.5 NM SW OF THE BUNKERS CONTAINS TEN SUPPORT BUILDINGS.

HANDLE VIA
TALENT-KEYHOLE
CONTROL SYSTEM ONLY

TCS-20447/71 - IPIR 3
KH-4 MISSION 1115

25X1C

SOVIET UNION
COMMO/ELEC/RADAR FACILITIES

25X1D IMAGE DERIVED COORDINATES:
25X1D 5301 N 015814 E

MAP SOURCE REFERENCE:
200-0194-17HL

25X1D

OTHER RESULTS-NO APPARENT CHANGE

25X1D

25X1D

KHUTOR ESV TRCK MOLNIYA FACILITY

53-05 N 158-20 E

25X1D

25X1A

STATUS: OPERATIONAL

25X1D

25X1D

25X1D

KOLPASHEVO ESV TRACKING FACILITY

58-20 N 082-52 E

25X1D

25X1A

STATUS: OPERATIONAL

25X1D

25X1D

25X1D

KOMSOMOLSK COMSAT STA KHURMULI

51-01 N 136-50 E

25X1D

25X1A

STATUS: OPERATIONAL

25X1D

25X1D

25X1D

SERPUKHOV RADIOASTRONOMY FACILITY

54-49 N 037-37 E

25X1D

25X1A

STATUS: OPERATIONAL

25X1D

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25X1D

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HANDLE VIA
Talent-Keyhole
CONTROL SYSTEM ONLY

TCS-20447/71 - IPIR 3
KH-4 MISSION 1115

25X1C

SOVIET UNION
AIR BASE FACILITIES

SIGNIFICANT RESULTS

25X1D

25X1D

TBILISI/SOGANLUG AFLD

41-38- N 044-56- E

25X1D

25X1A

STATUS: OPERATIONAL

REMARKS:

FOR AIRCRAFT COUNT SEE TBILISI AIRFRAME PLANT 31

25X1A

25X1A

25X1D

OTHER RESULTS-NO APPARENT CHANGE

25X2

KUYBYSHEV AVIATION INSTITUTE

53-12- N 050-06- E

25X1D

25X1A

STATUS: OPERATIONAL

25X1D

25X1D

25X1D

25X2

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25X1D

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HANDLE VIA
TOP SECRET RUFF
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TCS-20447/71 - IPIR 3
KH-4 MISSION 1115

25X1C

SOVIET UNION
GROUND FORCE FACILITIES

SIGNIFICANT RESULTS

25X1D

25X1D

CHITA ARMY BKS NAL 2

52-05- N 113-29 E

25X1D

STATUS: OCCUPIED

REMARKS:
THE AAA REGIMENT WAS NOT PRESENT.

25X1D

GROUND FORCE ORDER OF BATTLE:

120 VEHICLES/PIECES OF
EQUIP (AT LEAST)

25X1D

25X2 Approved For Release 2000/04/17 : CIA-RDP78T04562A003100010005-9

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TALENT-KEYHOLE
CONTROL SYSTEM ONLY

TCS-20447/71 - IPIR 3
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25X1C

SOVIET UNION
NUCLEAR ENERGY

25X1A

25X1D

25X1A

25X2

25X1D

SEMIPALATINSK NWPG SHAGAN RIVER T AREA

49-58- N 078-55- E

25X1A

STATUS: OCCUPIED

25X1D

25X1D

REMARKS:

THREE CIRCULAR EXCAVATIONS AND ONE POSSIBLE CIRCULAR EXCAVATION WERE OBSERVED SW OF THE BUNKER NEAR LOCATION 23. CONSTRUCTION HAS CONTINUED ON THE BUNKER. EIGHT POSSIBLE BUILDING FOUNDATIONS WERE OBSERVED NORTH OF LOCATION 23. TWO RECTANGULAR EXCAVATIONS WERE OBSERVED NEAR THE FOUNDATIONS. THE TWO HEADFRAMES AT LOCATION 23 WERE STILL PRESENT. A NEW DRILLING LOCATION (39) WAS OBSERVED NORTH OF THE SUPPORT AREA AND NE OF LOCATION 27. DRILL RIGS HAVE BEEN REMOVED FROM LOCATIONS 20 AND 37. RIGS WERE STILL PRESENT AT LOCATIONS 27 AND 28.

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TALENT-KEYHOLE
CONTROL SYSTEM ONLY

TCS-20447/71 - IPIR 3
KH-4 MISSION 1115

25X1C

SOVIET UNION
NUCLEAR ENERGY

ACTIVITY CONTINUED IN THE DRY STREAMBED NEAR THE [REDACTED] CRATER. 25X1D
A SMALL CLEARING WITH APPROXIMATELY SEVEN VEHICLES/PIECES OF
EQUIPMENT WAS SE OF THE ACTIVITY.

(SEE ATTACHMENT)

25X1D

SEMIPALATINSK NWP6 TAYLAN TEST AREA

49-43 [REDACTED] N 078-26 [REDACTED] E

25X1D

25X1A

STATUS: UNKNOWN

25X1D

25X1D

REMARKS:

25X1D

A NE/SW TRENDING GEOPHYSICAL GRID LINE, NEW SINCE [REDACTED] 25X1D
[REDACTED] EXTENDS THROUGH TAYLAN TEST AREA. AT LEAST
THREE ADDITIONAL GRID LINES WERE OBSERVED SOUTH AND EAST OF THE
TAYLAN TEST AREA. A TOTAL OF AT LEAST SEVEN GRID LINES,
INCLUDING THREE LINES AT KINBAY, WERE OBSERVED IN THIS PORTION
OF THE SEMIPALATINSK NWP6.

25X1D

25X1D

OTHER RESULTS-NO APPARENT CHANGE

25X2

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HANDLE VIA
TALENT-KEYHOLE
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TCS-20447/71 - IPIR 3
KH-4 MISSION 1115

25X1C

SOVIET UNION
INDUSTRY

SIGNIFICANT RESULTS

GORKIY/SORMOVO AFLD

25X1D

25X1D

56-19- N 043-48- E

25X1D

25X1A

STATUS: OPERATIONAL

ASSOCIATED OBJECTS:

25X1D

-- AT THE AIRFIELD

11 FOXBAT
25 FISHBED
1 CAT/CUB
1 CRATE

1 CAB
1 COLT
2 CREEK

25X1D

PERM ARMAMENT + GM SPT EQUIP PLT 172

25X1D

25X1D

58-02- N 056-18- E

25X1D

25X1A

STATUS: OPERATIONAL

REMARKS:

EXTENSIVE NEW LANDFILLING WAS OBSERVED AT THE WESTERN END OF
THE PLANT.

25X1D

TBILISI AIRFRAME PLANT 31

25X1D

25X1D

41-39- N 044-52- E

25X1D

25X1A

STATUS: OPERATIONAL

ASSOCIATED OBJECTS:

25X1D

-- AT THE AIRFIELD

1 CRATE
2 CAB
2 SMALL DELTA-WING

1 SMALL SWEEP-WING
6 SMALL DELTA/SWEEP-WING

25X1D

ASSOCIATED OBJECTS:

-- AT THE AIRFIELD

7 PROB FISHBED
1 CAB

1 CRATE
1 POSS SMALL HELICOPTER

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~~TALENT-KEYHOLE~~
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TCS-20447/71 - IPIR 3
KH-4 MISSION 1115

25X1C

SOVIET UNION
INDUSTRY

ASSOCIATED OBJECTS:

25X1D -- AT THE PLANT
2 FISHBED FUSELAGE CRATES

25X1D

OTHER RESULTS-NO APPARENT CHANGE

25X1D

25X1D

CHELYABINSK TRACTOR + GM SPT EQUIP PLT

55-09 N 061-28 E

25X1D

25X1A

STATUS: OPERATIONAL

25X1D

25X1D

25X1D

FAUSTOVO ROCKET ENGINE TEST FACILITY

55-28 N 038-31 E

25X1D

25X1A

STATUS: OPERATIONAL

25X1D

25X1D

25X1D

GORKIY ARM P NOVOYE SORMOVO STALIN 92

56-19 N 043-53 E

25X1D

25X1A

STATUS: OPERATIONAL

25X1D

25X1D

25X1D

KAMENSK URALSKIY AC PARTS PLANT 268

56-21 N 061-59 E

25X1D

25X1A

STATUS: OPERATIONAL

25X1D

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25X1D

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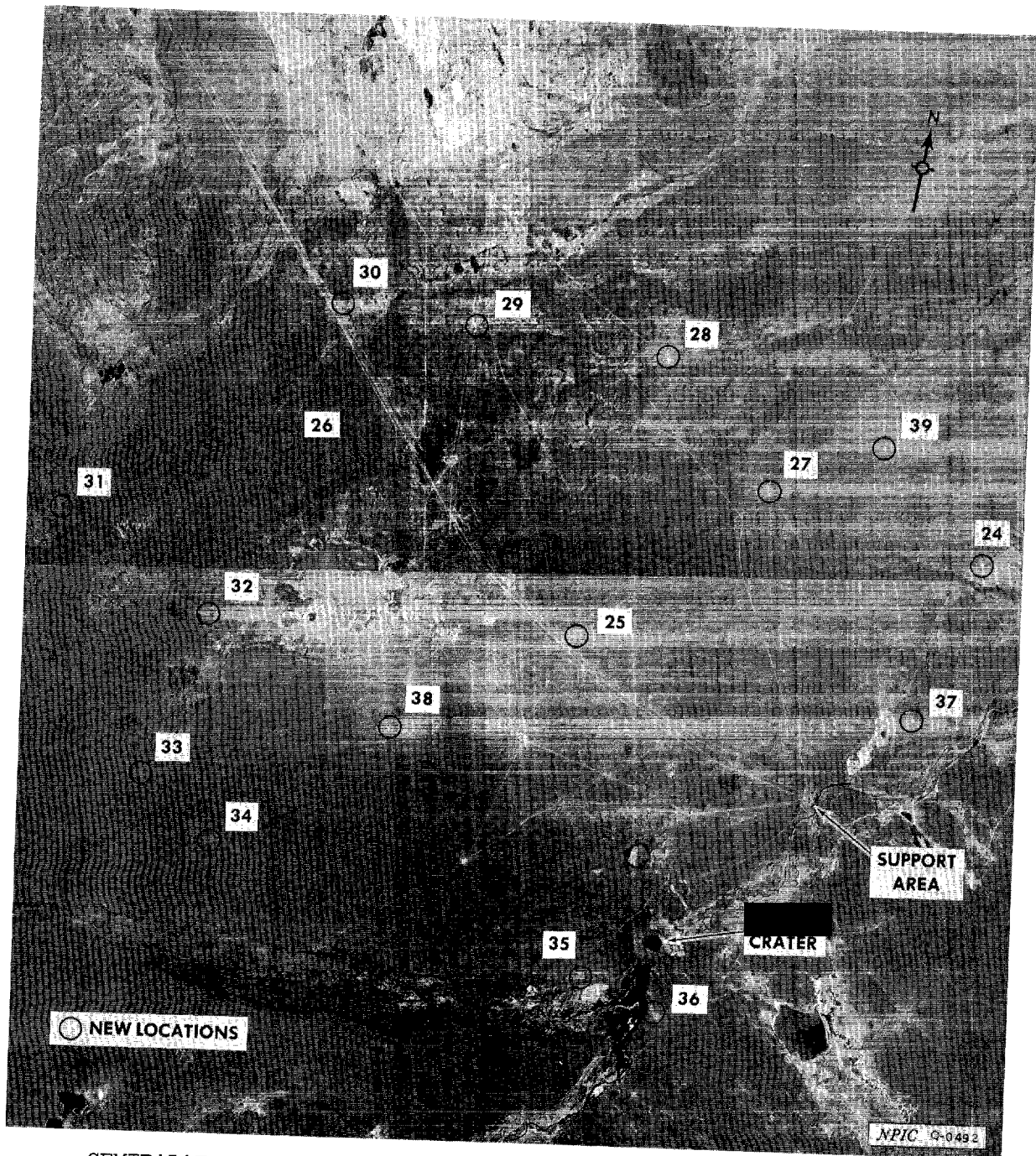
Attachments

~~TOP SECRET RUFF~~

KH-4 MISSION 1115
11-29 SEPTEMBER 1971

TCS-20447/71

ATTACHMENT 1



25X1D

SEMIPALATINSK NWPG SHAGAN RIVER TEST AREA, USSR

25X1A

25X1C

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~~TOP SECRET~~



25X1C

25X1C

~~TOP SECRET~~

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